

Just In Time Notes 2/18/09
TAKScopes

What is TAKScopes?

TAKScopes provides teachers with many resources not currently included in the Aligned Round Rock Curriculum. It includes 5E science lesson planning and classroom facilitation resources developed at Rice University and is endorsed by the Texas Regional Collaboratives. All RRISD elementary campuses have a license, which is renewable annually, to access this resource. Campus principals have master account passwords and sign-up directions enabling teachers, students and instructional coaches to access <http://www.TAKScopes.com>. Student access is limited to only appropriate sections of TAKScopes, such as online review games. TAKScopes includes:

For Teacher Use:

- Content background reading
- TEKS-aligned lessons with supporting 2-D manipulative documents
- Qualitative Concept Mastery Charts
- Questioning prompts
- Book lists
- Extension activities
- Video and written descriptions of lesson set-up and classroom facilitation
- Self-calculating materials lists by number of students and number of groups
- Internet resources for further concept development
- Intervention lessons for resources and tools to help students master concepts

For Classroom Use:

- Lesson slide show to guide students through lessons
- Expository text
- Student guides to lessons
- Science notebook guides
- Vocabulary cards with definition & nonlinguistic representations
- Reflective writing prompts with rubrics
- Performance-based and multiple choice assessments
- Online review games
- Internet resources for further concept development ranked by difficulty

Which TAKScopes materials support the RRISD High Stakes elementary science TEKS with engaged learning options and other resources not currently found in the 2008-09 Aligned Round Rock Curriculum?

Grade 3

3.11C Planets
3.11D The Sun's Characteristics

Grade 4

4.6A Patterns of Change: Weather
4.11A Soil Properties

Grade 5

5.5AB (also sets foundation for 5.6A lesson)
Systems, Structures, and Processes: Earth
5.6A Lunar Cycle
5.7D Boiling, Melting, and Freezing Points
5.8B Light
5.11A/5.12A Changes to Land
5.12C Earth and Moon

Which TAKScopes.com materials support which RRISD Recommended Time Lines?

Gr.	1 st 9 Weeks	2 nd 9 Weeks	3 rd 9 Weeks	4 th 9 Weeks
K	<u>RTL 1.4 Physical Systems</u> K.7A Physical Changes		<u>RTL 3.1 Earth Systems/ Weather & Earth Changes</u> K.5BC Patterns of Change: Day & Night K.7B Changes from Heat K.7C Weather <u>RTL 3.2 Earth Systems/ Rocks, Soil & Water</u> K.10AB Rocks, Soil & Water	<u>RTL 4.1 Living Systems/ Plants and RTL 4.2 Living Systems/Animals</u> K.7D Life Cycles K.8AB Living & Nonliving K.9A Plant & Animal Characteristics K.9B Interdependency <u>RTL 4.2 Living Systems/ Animals</u> K.9C Natural Resources
1	<u>RTL 1.3 Types of Change</u> 1.7A Physical Changes 1.7B Changes from Heat <u>RTL 1.4 Physical Systems</u> 1.6CD Systems, Structures &	<u>RTL 2.2 Natural Resources (Rocks, Soil & Water)</u> 1.10A Streams, Lakes & Oceans 1.10BC Rocks, Soil & Water		<u>RTL 4.1 Living Systems/ Plants</u> 1.6AB Systems, Structures & Processes: Plants & Animals 1.7D Life Cycles 1.9A Plant & Animal Characteristics

	Processes: Machines			<u>RTL 4.2 Interdependence of Living Systems</u> 1.9B Interdependency
2	<u>RTL 1.2 Properties, Patterns & Change</u> 2.5AB Patterns of Change: Earth 2.7A Physical Changes 2.7C Force & Motion		<u>RTL 3.1 Earth Systems-Water Cycle</u> 2.7B Changes from Heat <u>RTL 3.2 Earth Systems-Changes & Cycles</u> 2.7D Seasons	<u>RTL 4.1 Living Systems—Animal Characteristics & Interdependence</u> and <u>RTL 4.2 Living Systems-Plant Characteristics & Interdependence</u> 2.9A Plant & Animal Characteristics 2.9B Food Webs
3	<u>RTL 1.3 Force & Motion</u> 3.6A Force & Motion <u>RTL 1.2 Simple Systems</u> 3.7AB Classifying Matter	<u>RTL 2.1 Solar System</u> 3.11C Planets 3.11D The Sun’s Characteristics	<u>RTL 3.1 Forces Change the Earth</u> 3.6B Earth Forces <u>RTL 3.2 Earth Materials</u> 3.11A Earth Materials <u>RTL 3.3 Plant Systems</u> 3.5AB Systems, Structures & Processes: Plants & Animals (Also RTL 4.1) 3.10AB Inherited Traits (Also RTL 4.1)	<u>RTL 4.1 Animal Systems</u> 3.5AB Systems, Structures & Processes: Plants & Animals (Also RTL 3.3) 3.9AB Adaptations 3.10AB Inherited Traits (Also RTL 3.3) <u>RTL 4.2 Habitats & Ecosystems</u> 3.8AB Habitats & Ecosystems 3.8CD Environmental Changes
4	<u>RTL 1.2 Properties of Matter</u> 4.7A Changes from Heat <u>RTL 1.3 Weather</u> 4.6A Patterns of Change: Weather	<u>RTL 2.2 Properties of Soil</u> 4.11A Soil Properties <u>RTL 2.3 Earth Changes</u> 4.10A Changes to Land	<u>RTL 3.1 Nonliving Systems</u> 4.5AB Systems, Structures & Processes: Mechanical Systems 4.6A Patterns of Change: Force & Motion	<u>RTL 4.2 Adaptations, Inherited Traits & Learned Behaviors</u> 4.8ABC Adaptations

	4.11B Oceans & Land 4.11C The Sun's Energy		<u>RTL 3.3 Life Cycles & Patterns of Change</u> 4.6A Patterns of Change: Metamorphosis	
5	<u>RTL 1.2 Cycles in Nature</u> 5.5AB Systems, Structures & Processes: Interdependency (Also RTL 1.3) 5.6B Water, Carbon & Nitrogen Cycles <u>RTL 1.3 Ecosystems/Adaptations</u> 5.5AB Systems, Structures & Processes: Interdependency (Also RTL 1.2) 5.9ABC Adaptations <u>RTL 1.4 Life Cycles/ Inherited Traits</u> 5.6C Life Cycles 5.10AB Inherited Traits & Learned Characteristics	<u>RTL 2.2 Earth Systems</u> 5.11A/5.12A Changes to Land 5.11B What Happened Before 5.11C Natural Resources 5.12B Resource Formation <u>RTL 2.3 Objects in the Sky</u> 5.5AB Systems, Structures & Processes: Earth Systems 5.6A Lunar Cycles 5.12C Earth & Moon	<u>RTL 3.1 Physical Systems</u> 5.5AB Systems, Structures & Processes: Force & Motion <u>RTL 3.2 Properties of Matter</u> 5.7A Classifying Matter 5.7BC Mixtures & Solutions 5.7D Boiling, Melting & Freezing Points <u>RTL 3.3 Energy</u> 5.8A Forms of Energy 5.8B Light 5.8C Electricity 5.8D Sound	

Who do I contact if I have questions or comments about use of TAKScopes in RRISD?

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